

AKHUNDOV, F.A.; MAMEDOV, T.M.

New data on the TSakuri deposit of Iceland spar in the Karabakh
Upland. Izv. AN A-erb. SSR. Ser.geol.-geog. nauk no.5:51-56 '59
(Karabakh Upland--Iceland spar) (MIRA 13:3)

MAHEDOV, T. M.

"Soil Erosion and Forestation as a Counter Measure in the Belokano-Mukhinsk Territory of the Azerbaydzhan SSR." Cand Agr Sci, Moscow Forestry Engineering Inst, Moscow, 1953. (RZhBiol, No 1, Sep 54)

SO: Sum 432, 29 Mar 54

L 11583-66

ACC NR: AP5028889

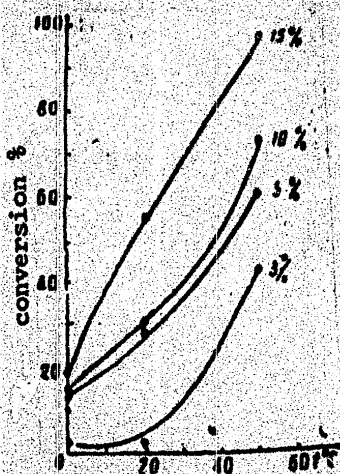


Fig. 1. The yield of poly-1-hexene as a function of reaction temperature.

Orig. art. has: 3 figures, 1 table.

SUB CODE: 07// SUBM DATE: 19Jun64/

ORIG REF: 007/

OTH REF: 002

Card 2/2 HW

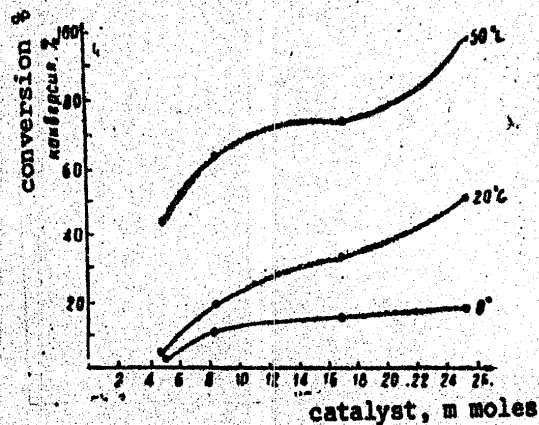


Fig. 2. The yield of poly-1-hexene as a function of concentration of the complex catalyst.

A 11583-66 ENT(m)/T/ENP(j) RM
 ACC NR: AP5028889 SOURCE CODE: UR/0316/65/000/004/0034/0037
 44,55 44,55 44,55 44,55
 AUTHOR: Namedov, T. I.; Ibragimova, L. S.; Mirzakhanov, I. S.; Sadykhzade, S. I.
 44,55
 ORG: INKhP AN AzerbSSR
 TITLE: Polymerization of 1-hexene over a complex catalyst 46 B
 SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 4, 1965, 34-37

TOPIC TAGS: polymerization, polymerization catalyst, polymerization kinetics, polymer, synthetic material

ABSTRACT: A systematic study of polymerization of 1-hexene was carried out at atmospheric pressure 0-50°C with the complex ionic catalyst $\text{Al}(\text{C}_2\text{H}_5)_3 + \text{TiCl}_4$. Normal pentane was used as a solvent. The molar ratios of $\text{Al}(\text{C}_2\text{H}_5)_3$ to TiCl_4 were 1 and 2. The product polymers were soluble in *n*-pentane, toluene, cyclohexane, decane, and carbon tetrachloride. The yield of polymer increased with increases in temperature and the quantity of complex catalyst. An increase in reaction temperature was reflected in a reduction in the molecular weight of the polymer product. The conversion of 1-hexene to a polymer as a function of polymerization temperature is shown in fig. 1. The yield of poly-1-hexene as a function of concentration of the complex catalyst is shown in fig. 2.

Card 1/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001032000009-6

2217-55

ACQUISITION NO. 440443

ACQUISITION NO. 440443

ACQUISITION NO. 440443

ACQUISITION NO. 440443

ENCL. 00

SUB CODE: OC

OTHER: 000

2-007-57 500121/507(5)/501/507(1)/1 20-4/Pr-4/Pr-4 BPL HW/EM

ACCESSION NR: A240 0433

8/316/54/006/006/0099/0102

AUTHOR: Gerasimov, T. E., Andruschmanova, R. M., Sadykhkhanov, S. I.

TITLE: Copolymerization of pentenes with ethylene and propylene

SOURCE: Khimiya i tekhnika organicheskikh zdaniy, no. 3, 1964, 99-102

TOPIC TAGS: olefin polymerization, ethylene copolymer, propylene copolymer, pentene copolymer, polymerization catalyst

ABSTRACT: Copolymerization of 0.4-0.8 mol 2-methyl-1-butene, 0.5 mol 2-methyl-1-butene, 0.5 mol 2-methyl-2-butene, with 0.12-0.42 mol ethylene and of 0.5-1.2 mol 2-methyl-1-butene with 0.1-0.6 mol propylene at atmospheric pressure and 15-70°C gave hard polymers insoluble in organic solvents at 80°C. Titanium tetrachloride and organotin compounds were used as homogeneous catalysts in various concentrations and ratios for the polymerization of ethylene, propylene, or hexene, or isooctane solution, and the polymers were precipitated with methanol. X-ray analysis showed the presence of 70% crystallinity in the polymers. This result, however, was not related to a specific composition of reaction conditions. An infrared spectrum is presented for the copolymer of 2-methyl-1-butene-ethylene. Ethylene copolymers were obtained as powders and propylene copolymers as fibrous solids. Orig. art. has 1 table and 2 figures.

ILLEGIBLE

ILLEGIBLE

ILLEGIBLE

Materials of the Scientific Conference (Cont.)

SOV/6195

silicate mineral) as a catalyst carrier have been determined. The study was of interest because this petroleum fraction is used as diesel and jet fuel and is degraded for these purposes by the presence of n-alkanes. Optimum conversion conditions were obtained with hydrogenation under 30 atm. H in a flow reactor at 450°C with a hydrogen/hydrocarbon molar ratio of 3: 1 and a hydrocarbon space velocity of 0.5 hr⁻¹. Catalysis with 0.5% of Pt or Pd on Al₂O₃ or "gumbrin" caused an extensive conversion of normal undecane and dodecane and improved the motor properties of hydrogenation-cracking products by increasing their heating efficiency by 80 kcal/kg and reducing their pour points by 16 to 48.5°C.

Mamedaliyev, Yu. G., M. A. Dalin, and T. I. Mamedov. Catalytic Dehydrogenation of the Isopentane Fraction

324

Vartanyan, S. A., V. N. Zhamagortsyan, and Sh. O. Badanyan. Synthesis and Investigation of Aminoacetylenic and α -Alkoxyvinylacetylenic Alcohols

336

Card 9/11

2/2

MAMEDOV, T.I.

46

PHASE I BOOK EXPLOITATION

SOV/6195

Nauchnaya konferentsiya institutov khimii Akademiy nauk Azerbaydzhanskoy, Armyanskoy i Gruzinskoy SSR. Yerevan, 1957.

Materialy nauchnoy konferentsii institutov khimii Akademiy nauk Azerbaydzhanskoy, Armyanskoy i Gruzinskoy SSR (Materials of the Scientific Conference of the Chemical Institutes of the Academies of Sciences of the Azerbaydzhani, Armenian, and Georgian SSR) Yerevan, Izd-vo AN Armyanskoy SSR, 1962. 396 p. 1100 copies printed.

Sponsoring Agency: Akademiya nauk Armyanskoy SSR. Institut organicheskoy khimii.

Resp. Ed.: L. Ye. Ter-Minasyan; Ed. of Publishing House: A. G. Silkuni; Tech. Ed.: G. S. Sarkisyan.

PURPOSE: This book is intended for chemists and chemical engineers, and may be useful to graduate students engaged in chemical research.

COVERAGE: The book contains the results of research in physical, inorganic, organic, and analytical chemistry, and in chemical engineering, presented at the Scientific Conference held in Yerevan, 20 through 23 November 1957. Three reports of particular interest are reviewed below. No personalities are mentioned. References accompany individual articles.

Some results of work on ...

S/595/60/000/000/008/014
E134/E435

of unsaturated hydrocarbons were obtained but no isopentene analysis was carried out. Best results were obtained with isopentane:hydrogen ratios of 1:3-4; in these circumstances about 8% of diene on weight of isopentane feed were obtained. The authors consider the catalysts suitable for the dehydrogenation of isopentane. N.I.Shuykin is mentioned in the article for his contributions in this field. There are 4 figures and 31 references: 15 Soviet-bloc and 16 non-Soviet-bloc. The four most recent references to English language publications read as follows: Ref.17: Britton E.C., Dietzler A.I., Nodding C.R. Industr. Engng. chem., 1951, 43, no.12, 2871; Ref.18: Blue et al, Industr. Engng. chem., 1952, 44, no.11, 2710; Ref.20: Eichens, Selwood. Journ. Am. chem. Soc., 1947, 69, 1950, 2698; 1948, 70, 2271; Ref.26: Kearby K. Industr. Engng. chem., 1950, 42, no.2, 296. ✓

Card 3/3

Some results of work on ...

S/595/60/000/000/008/014
E134/E435

product composition was studied with catalyst K3 in the range of 490 to 530°C and space velocity of 0.7 to 1.5 per hour. The product contained 3-methyl-1-butene, 2-methyl-1-butene and 2-methyl-2-butene in the ratios of 1.3:4.6:11.0. Some dienes were formed. The work with K5 was concentrated on 520°C and a space velocity of 1 per hour and gave ratios of 1.0:3.6:10.0 for the above methyl butenes. A temperature range of 520 to 570°C and a space velocity of 0.5 to 3 per hour were employed for K9; effects of temperature and flow rate on yield and composition was investigated. The liquid product was about 90% of the isopentene feed. The yield of unsaturated hydrocarbon increased from 16 to 40% with rising temperature. 2-methyl-2-butene was found to be the main isopentene formed (up to 70%). This may be due to isomerization of other isopentenenes by the alumina catalyst carrier in the high temperature zone. The effect of diluents in the presence of K5 was also investigated, nitrogen, carbon dioxide, hydrogen and a hydrogen/methane mixture being employed. Only results with hydrogen are given and higher dilution ratios were found to increase the amount of unsaturated product. Up to 35%

Card 2/3

S/595/60/000/000/008/014
E134/E435

AUTHORS: Mamedaliyev, Yu.G., Dalin, M.A., Mamedov, T.I.

TITLE: Some results of work on the catalytic dehydrogenation of isopentane fractions

SOURCE: Vsesoyuznoye soveshchaniye po khimicheskoy pererabotke neftyanykh uglevodorodov v poluprodukty dlya sinteza volokon i plasticheskikh mass. Baku, 1957. Baku, Izd-vo AN Azerb. SSR, 1960. 227-232

TEXT: The paper deals with the catalytic dehydrogenation of isopentane to isoprene, the object of the work being an economic process for the manufacture of isoprene from the pentane petroleum fraction, leading ultimately to the production of isoprene rubber. A fraction containing 94 to 96% isopentane was passed over the aluminium chromium catalysts K3, K5 and K9, which are used for the dehydrogenation of propane and butane. The work was carried out in a single passage of the isopentane over the catalyst in the continuous equipment described by the authors elsewhere (Ref.7: DAN Azerb SSSR. 1955, 11, no.1, 13; Ref.8: DAN Azerb.SSSR. 1956, 12, no.1, 3; Ref.9: Tr. In-ta khimii AN Azerb.SSR, 1956, 15, 106). The effect of temperature and flow rate on yield and

Card 1/3

MAMEDALIYEV, Yu.G.; DALIN, M.A.; SHIKHMAMEDBEKOVA, A.Z.; MAMEDOV, T.I.

Dehydrogenation of isopentane and isopentenones to form isoprene.
Trudy Inst.khim.AN Azerb.SSR 17:123-130 '59. (MIRA 13:4)

1. Institut khimii AN AzerSSR.

(Butane) (Butene) (Isoprene)

Materials of the Scientific Conference (Cont.)

SOV/6195

silicate mineral) as a catalyst carrier have been determined. The study was of interest because this petroleum fraction is used as diesel and jet fuel and is degraded for these purposes by the presence of n-alkanes. Optimum conversion conditions were obtained with hydrogenation under 30 atm. H in a flow reactor at 450°C with a hydrogen/hydrocarbon molar ratio of 3: 1 and a hydrocarbon space velocity of 0.5 hr⁻¹. Catalysis with 0.5% of Pt or Pd on Al₂O₃ or "gumbrin" caused an extensive conversion of normal undecane and dodecane and improved the motor properties of hydrogenation-cracking products by increasing their heating efficiency by 80 kcal/kg and reducing their pour points by 16 to 48.5°C.

Mamedaliyev, Yu. G., M. A. Dalin, and T. I. Mamedov, Catalytic Dehydrogenation of the Isopentane Fraction

324

Vartanyan, S. A., V. N. Zhamagortsyan, and Sh. O. Badanyan, Synthesis and Investigation of Aminoacetylenic and α -Alkoxyvinylacetylenic Alcohols

336

Card 9/11

Materials of the Scientific Conference (Cont.)

SOV/6195

COVERAGE: The book contains the results of research in physical, inorganic, organic, and analytical chemistry, and in chemical engineering, presented at the Scientific Conference held in Yerevan, 20 through 23 November 1957. Three reports of particular interest are reviewed below. No personalities are mentioned. References accompany individual articles.

TABLE OF CONTENTS:

PHYSICAL CHEMISTRY

Tsitsishvili, G. V., and Ye. D. Rosebashvili. Use of the Magnetic Method in Studying Some Complex Cobalt Compounds 5

Nanobashvili, Ye. M., and L. V. Ivanitskaya. The Effect of γ -Radiation on Colloidal Solutions of Gallium, Indium, and Thallium Sulfide 23

Zul'fugarov, Z. G., V. Ye. Smirnova and S. G. Muradova. The Effect of the Conditions of Synthesis and Formation on the

Card 2/11

MAMEDOV, T. I

JUN 25 1963

50

PHASE I BOOK EXPLOITATION

SOV/6195

Nauchnaya konferentsiya institutov khimii Akademiy nauk Azerbaydzhanskoy, Armyanskoy i Gruzinskoy SSR. Yerevan, 1957.

Materialy nauchnoy konferentsii institutov khimii Akademiy nauk Azerbaydzhanskoy, Armyanskoy i Gruzinskoy SSR (Materials of the Scientific Conference of the Chemical Institutes of the Academies of Sciences of the Azerbaydzhani, Armenian, and Georgian SSR) Yerevan, Izd-vo AN Armyanskoy SSR, 1962. 396 p. 1100 copies printed.

Sponsoring Agency: Akademiya nauk Armyanskoy SSR. Institut organicheskoy khimii.

Resp. Ed.: L. Ye. Ter-Minasyan; Ed. of Publishing House: A. G. Sikuni; Tech. Ed.: G. S. Sarkisyan.

PURPOSE: This book is intended for chemists and chemical engineers, and may be useful to graduate students engaged in chemical research.

Card 1/11

Mamedov, T. I.

USSR /Chemical Technology. Chemical Products and Their Application 1-16

Treatment of natural gases and petroleum.
Motor fuels. Lubricants.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31909

Author : Mamedaliyev Yu. G., Dalin M. A., Mamedov T. I.

Inst : Institute of Chemistry, Academy of Sciences
Azerbaijdzhan SSSR

Title : Catalytic Dehydrogenation of Isopentane Fraction

Orig Pub: Tr. in-ta khimii AN AzSSR, 1956, 15, 106-118

Abstract: See RZhKhim, 1956, 59259

Card 1/1

MAMEDALIYEV, Yu.G.; DALIN, M.A.; SHIKHMAMEDBEKOVA, A.Z.; MAMEDOV, T.I.;
SAILOV, D.I.

Study of the pentane-pentene fraction of thermal cracking. Dokl.AN
Azerb.SSR 12 no.9:623-628 '56. (MLRA 9:10)
(Cracking process) (Pentane) (Pentene)

Mamedov, T. I.

USSR/Physical Chemistry - Kinetics. Combustion. Explosives. Topochemistry.
Catalysis, B-9

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 455

Author: Mamedaliev, Yu. G., Dalin, M. A., and Mamedov, T. I.

Institution: Academy of Sciences Azerbaijan SSR

Title: Dehydrogenation of the Isopentane Fraction of Gasoline Vapor

Original

Periodical: Dokl. AN Azerb. SSR, 1956, Vol 12, No 1, 3-7 (summary in Azerbaijani)

Abstract: It is shown that a commercial type K-5 catalyst can be used in the dehydrogenation of the isopentane fraction (b.p. 27-32°) separated velocity of 1.0 hr⁻¹ at 520°. Among the liquid reaction products which were obtained with an over-all yield of 81.5%, a mixture of isopentanes [sic] was found; the mixture consisted of 3-methyl-1-butene, 2-methyl-1-butene, and 2-methyl-2-butene. The yield of isopentanes represents 19.5% of the catalysate.

Card 1/1

MAMEDALIYEV, Yu.G.; DALIN, M.A.; MAMEDOV, T.I.; SHIKHMAMEDBEKOVA, Z.A.;
SAILOV, D.I.

Isomerization of pentenes in the dehydration of isamyl alcohol
on aluminum oxide. Dokl.AN Azerb.SSR 11 no.10:675-682 '55.
(MLRA 9:2)

1.Institut khimii AN Azerb. SSR.
(Isomers and isomerization) (Pentene) (Alcohols)

MAMEDOV, T. I.

MAMEDALIYEV, Yu. G.; DALIN, M. A.; MAMEDOV, T. I.

Catalytic dehydrogenation of isopentane fraction. Dokl. AN Azerb.
SSR 11 no. 1: 13-19 '55. (MLRA 8:10)

1. Institut khimii Akademii nauk Azerbaydzhanskoy SSR.
(Dehydrogenation) (Butane)

MAMEDOV, T.I.

ALIYEV, Sh.B.; SHIKHMAMEDBEKOVA, A.Z.; MAMEDOV, T.I.; SMIRNOVA, V.Ye.

Condensation of chlorine derivatives obtained by the photochemical
chlorination of mixtures of gaseous alkanes with benzene. Izv. AN
Azerb. SSR no.2:3-10 F'55. (MLRA 8:11)
(Paraffins) (Chlorine compounds)

ALIYEV, Sh.B.; MAMEDOV, T.I.; SHIKHMAMEDBEKOVA, A.Z.; SMIRNOVA, V.Ye.

Photochemical chlorination in propane-butanoic fractions of petroleum gases. Izv. AN Azerb. SSR no.12:53-58 D'54. (MLRA 8:11)
(Paraffins) (Chlorination)

MAMEDOV, T. I.; Anikanova, Ts. S.; Mamedaliyev, Yu. G.; Aloyeva, Kh B.; Ashimov, N. A.

"Preparation of Polyalkylarylsulfonates and Their Use as Emulsion Breakers"
Tr. In-ta Khimii AN AzSSR, Vol 11, 1953, 16-29

Polyalkylarylsulfonates were prepared by alkylation of benzene with olefins and subsequent sulfonation. These products were found to possess better oil-emulsion breaking properties than the presently used black "contact" material. (RZhKhim, No 3, 1955)

SO: Sum No 845, 7 Mar 56

KAMELOV, T.G.; KHALISI, F.

Effect of a single γ -irradiation on the growth dynamics in
beans and peas. Radiobiologiya 5 no.5:730-731 '65.

(MIRA 18:11)

1. Moskovskiy gosudarstvennyy universitet Imeni M.V. Lomonosova,
biologo-pochvennyy fakul'tet.

GASANOV, R.A.; MAMEDOV, T.G.; TARUSOV, B.N.

Interrelationship between the extremely weak chemiluminescence and heat resistance of vegetable organisms. Dokl. AN SSSR 153 no.4:947-949 D '63. (MIRA 17:1)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
Predstavleno akademikom A.N. Belozerskim.

KLIPSON, N.A.; MAMEDOV, T.G.

Biological action of free radicals obtained from the anodic
oxidation of tyrosine. Radiobiologiya 3 no.1:146-147 '63.
(MIRA 16:2)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova,
biologo-pochvennyy fakul'tet.
(TYROSINE) (OXIDATION, ELECTROLYTIC)
(RADICALS (CHEMISTRY))

27.1220

39569
S/205/62/002/003/015/015
1021/1221

AUTHOR: Mamedov, T. G.

TITLE: Influence of the growth rate of plants on their radiation sensitivity

PERIODICAL: Radiobiologiya, v. 2, no. 3, 1962, 497-501

TEXT: The authors investigated sprouts of Vicia faba, which were irradiated with radioactive cobalts. Using homogenous groups of roots, the radiosensitivity of the plants was greater the greater their mean growth rate. Thus a 50% inhibition of growth could be obtained with a radiation dose of 130 r in fast growing plants whereas for obtaining a similar inhibition in slow growing plants a radiation dose of 165 r was necessary. There are 2 figures and 1 table.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova, biologo-pochvennyy fakultet (The Moscow State University im. M. V. Lomonosov, Faculty of Agrobiology)

SUBMITTED: October 14, 1961

Card 1/1

X

KOROGODIN, V.I.; MAMEDOV, T.G.

Effect of irradiated plant seedlings on the growth of nonirradiated seedlings. Biofizika 5 no. 2:186-188 '60. (MIRA 14:4)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova.
(PLANTS, EFFECT OF RADIATION ON)

MAMEDOV, T.G.

Effect of irradiation on the permeability of Vicia faba roots.
Biofizika 5 no.1:85-87 '60. (MIRA 13:6)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo
universiteta.

(RADIATION EFFECTS)
(PLANTS)

MAMEDOV, T.G.

Influence of the condition of plant cells on their radiosensitivity
to γ -radiation. TSitologiya 2 no.2:175-178 Mr-Apr '60.
(MIRA 14:5)

1. Biologo-pochvennyy fakul'tet Moskovskogo universiteta.
(GAMMA RAYS—PHYSIOLOGICAL EFFECT)
(PLANTS, EFFECTS OF RADIATION ON)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001032000009-6

MAMEDOV, T. G., Cand Biol Sci -- (diss) "Dynamic Regularity of the Changes in Plants after a Single Gamma Irradiation." Moscow, 1960, 21 pp, (Moscow Order of Lenin and Order of Labor Red Banner State Univ im Lomonosov) 120 copies, no price given.
(KL, 21-60, 121)

MAMEDOV, T.G.

Effect of ionizing radiation on the contents of substances, extracted
by various solvents, in plants. Uch. zap. AGU. Biol. ser. no. 6:51-56
'59. (MIRA 15:5)

(PLANTS, EFFECT OF GAMMA RAYS ON)

MAMEDOV, T.G.

Protective activity of cysteine in radiation experiments with
horse bean seedling. Uch. zap. AGU. Biol. ser. no.4:57-61 '59.
(MIRA 15:5)

(CYSTEINE) (PLANTS, EFFECT OF RADIATION ON)

MAMEDOV, T.G., Cand Agr Sci -- (diss) "*Testing of the* ~~Research on~~ green
fertilizer for ~~the~~ cotton ~~plant~~ in the irrigated soils
of Azerbaydzhan." Minsk, 1958. 21 pp (Belorussian Acad Agr Sci.
Sci Res Inst of Agr). 100 copies.
(KL, 12-58, 100)

171 MAMEDOV, T.G.
MAMEDOV, T.G.

Green manuring for cotton in Azerbaijan. Dokl. AN Azerb. SSR 13
no.9:1003-1007 '57. (MIRA 10:9)

1. Institut zemledeliya. Predstavleno akademikom AN Azerbaydzhan-
skoy SSR G.A. Aliyevym.
(Azerbaijan--Cotton) (Green manuring)

USSR / Cultivated Plants. Commercial. Oil-Bearing. M-5
MAMEDOV T.G. Sugar-Bearing.

Abs Jour: Ref Zhur-Biol., No 6, 1958, 25116

Author : Mamedov, T.
Inst : Azerbaydzhan S.R.I. of Agriculture
Title : Trying Out Green Manure on Cotton

Orig Pub: Sots. s. kh. Azerbaydzhana, 1957, No 4, 13-16

Abstract: Field tests to find out the agronomic efficiency of green fertilizer on alfalfa-cotton crop rotations were made in 1954-1956, by the Azerbaydzhani Scientific Research Institute of Agriculture at the Karabakhskaya Zonal Station and indicated that with green fertilizer added to the plantings of growing cotton for 2 years increased the raw material output by 16.4 centners per ha. (with clover) and 11.3 centners per ha. (with peas). Green manures

Card 1/2

101

USSR / Cultivated Plants. Technical. Oleaceous, Sugar Bearing
Plants.

M-6

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58665

Author : Mamedov, T. G.

Inst : Azerb SSR Academy of Science

Title : Testing of the Green Fertilizer Under Cotton Plant
at Irrigation

Orig Pub : Tr. 5-y Nauchn. konferentsii aspirantov AN Azerb SSR,
Baku, AN Azerb SSR, 1957, 215-223

Abstract : Various leguminous plants were studied at the Karabakh
experimental station of the Acad. Sci. Azerb SSR to
examine the agronomical effect of green fertilizer in
cotton-alfalfa crop rotation in 1954-1955. A clover
variety (*trifolium resupinatum*) and peas, when sowed
directly into the growing cotton plant, increased con-
siderably its yield and improved the physico-chemical

Card 1/2

KLIFSON, N.A.; MAMEDOV, T.G.; TARUSOV, B.N.

Luminescence method for studying free radical states. Trudy
MOIP. Otd. biol. 21:107-111 '65. (MIRA 18:6)

MAMEDOV, T.A.; BABAYEV, Sh.A.

Anomalous development of large foraminifera from Eocene sediments
in Azerbaijan. Dokl. AN Azerb. SSR 21 no.4:421-426 1965.

(MIRA 18:5)

1. Azerbaydzhanskiy Institut nefti i Khimii.

GASANOV, R.A.; MAMEDOV, T.G.; TARUSOV, B.N.

Spontaneous and induced ultraweak luminescence of plant organisms.
Trudy MOIP. Otd. biol. 21:64-68 '65.
(MIRA 18:6)

MAMEDOV, T.A.

Ecology of Paleogene nummulites. Izv. AN Azerb. SSR, Ser.
geol.-geog. nauk no.23-11 '65. (MIRA 18:8)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001032000009-6

NAMIDOV, T.A.; BABAYEV, M.

Number 11 of the journal deposits of collection, Central Biol
57 no. 1:295-310 1962 [publ. 1964].

MAMEDOV, T.A.

First find of the genera *Asterocyclina* gümbel and *Actinocyclina* gümbel from Eocene sediments in the Gornyy Talysh (Lerik District).
Dokl. AN Azerb. SSR 20 no.5:41-46 '64. (MIRA 17:8)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut po
dobyche nefli. Predstavleno akademikom AN AzSSR A.A.Alizade.

MAMEDOV, T.A.; ZHYNALOV, M.M.

Correlating the sections of foraminiferal sediments in the northeastern foothills of the Lesser Caucasus in connection with their oil and gas potentials. Izv. vys. ucheb. zav.; neft' i gaz 6 no.1:15-20 '63. (MIRA 17:10)

1. Azerbaydzhanskiy institut nefti i khimii im. M. Azizbekova i Azerbaydzhanskiy nauchno-issledovatel'skiy institut po dobycho nefti.

MAMEDOV, T.A.

Some species of Eocene nummulites in the Nakhichevan A.S.S.R.
Izv. AN Azerb. SSR Ser. geol.-geog. nauk i nefi no.5:51-64
'62. (MIRA 16:6)

(Nakhichevan A.S.S.R.—Nummulites, Fossil)

MAMEDOV, T.A.

New species of large foraminifers from Eocene deposits of the
Nakhichevan A.S.S.R. Dokl. AN Azerb. SSR 17 no.10:925-
930 '61. (MIRA 14:12)

1. Institut khimii i nefti imeni Azizbekova. Predstavleno
akademikom AN AzSSR A.A. Ali-zade.
(Nakhichevan A.S.S.R.--Foraminifera, Fossil)

MAMEDOV, T.A.

Distribution characteristics of nummulite fauna in the cross
section of Eocene sediments of the Nakhichevan A.S.S.R. Izv.
AN Azerb.SSR. Ser.geol.-geog.nauk i nefi no.5:73-84 '61.
(MIRA 15:1)

(Nakhichevan A.S.S.R.--Nummulites)

MAMEDOV, T.A.

Age of the Paradash series in the Paleocene complex of the
Nakhichevan A.S.S.R. Dokl. AN Azerb. SSR 16 no.10:963-968 '60.
(MIRA 14:1)

1. Institut nefti i khimii imeni M. Azizbekova. Predstavleno
akademikom AN AzerbSSR A.A. Alizade.

(Nakhichevan A.S.S.R.--Geology, Stratigraphic)

MAMEDOV, T.A. ; GAMZAYEV, O.D.

Preliminary data on the presence of an Eocene mmmlite facies in the upper reaches of the Tutkhun River (at the village of Azrik).
Dokl. AN Azerb. SSR 16 no. 9: 859-862 '60. (MIRA 13:12)

1. Institut nefti i khimii imeni M. Azizbekova AN AzSSR Predstavleno akademikom AN AzSSR M.A. Kashkayem.
(Tutkhun Valley--Mmmmlites)

MAMEDOV, T.A.

Eocene stratigraphic scale of the Nakhichevan A.S.S.R. based on the development of the nummulites. Izv.vys. ucheb. zav.; geol. i razv. 3 no.5:44-49 My '60. (MIRA 13:11)

1. Azerbaydzhanskiy industrial'nyy institut imeni M.Azizbekova.
(Nakhichevan A.S.S.R.--Geology, Stratigraphic)
(Nummulites)

ALIZADE, K.A.; NAMDOV, T.A.

Paleocene and lower Eocene sediments in the Nakhichevan A.S.S.R. SSR.
Azerbaij. SSR. Ser. geol.-geogr. nauk no. 3:17-22 '59. (1111 1111)
(Nakhichevan A.S.S.R.--Geology, Stratigraphic)

MAMEDOV, T.A.

Contact conditions of Paleocene deposits with the strata above and below them in the Nakhichevan A.S.S.R. [in Azerbaijani with summary in Russian]. Dokl. AN Azerb. SSR 14:777-779 '58. (MIRA 11:11)

(Nakhichevan A.S.S.R.--Geology, Stratigraphic)

NAMEDOV, T.A.

Paleogene sediments in the Nakhichevan A.S.S.R. (Azerbaijan).
Izv.vys.ucheb.zav.; geol.i razv. 1 no.9:47-50 S '58.
(MIRA 12:9)

1. Azerbaydzhanskiy industrial'nyy institut im. M.A.Azizbekova,
Kafedra paleontologii i istoricheskoy geologii.
(Nakhichevan A.S.S.R.--Geology, Stratigraphic)

MAMEDOV, T.A., Cand Geol Min Sci -- (diss) "Stratigraphy and
nummulitic fauna of the Eocene sediments of the Nakhichevanskaya^a
ASSR." Baku, 1958, 1h pp (Min of Higher Education USSR.
Azerbaijdzhan Order of Labor Red Banner Industrial Inst im M.
Azizbekov) 150 copies (KL, 27-58, 105)

MAMEDOV, T.A., dotsent

Vibronic abortion in cows. Veterinaria 41 no.11:74-76
N '64. (MIRA 18:11)

1. Azerbaydzhanskiy sel'skokhozyaystvennyy institut.

SAFAROV, K.M., prof.; MAMEDOV, T.A., dotsert

Malignant edema of the uterus in sheep. Veterinar'ia 40 no.8:
43-46 Ag '63.

(MIRA 17:10)

1. Azerbaydzhanskiy sel'skokhozyaystvennyy institut.

MAMEDOV, T.A., dotsent; ALIYEV, F.A., kandidat veterinarnykh nauk.

Hypodermatosis in buffaloes in Azerbaijan. Veterinarila 34
no.6:57-58 Je '57. (MLRA 10:7)

1. Azerbaydzhanskiy sel'skokhozyaystvennyy institut.
(Azerbaijan--Warble flies) (Buffaloes--Diseases and pests)

USSR/Diseases of Farm Animals. Diseases Caused by Arachno-
Entoms.

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54937.

Author : Mamedov, T. A., Aliyev, F. A.
Inst :
Title : Buffalo Hypodermatosis in Azerbaydzhan

Orig Pub: Veterinariya, 1957, No 6, 57-58.

Abstract: Warble fly lesions in buffaloes of various age groups were observed in the lower Mugan' region and in the western rayons of Azerbaydzhan. The larvae are localized mainly in the area of the back. Good results in treating the buffaloes were obtained by using the same preparations which were used in treating large horned cattle afflicted by warble fly.

Card : 1/1

//

1. MAMEDOV, Docent T.A.

2. USSR (600)

Azerbaydzhan Agric. Inst. im. L.P. Beria

4. Buffaloes-Diseases

7. Emphysematous carbuncles in buffaloes., Veterinariia, 29, No.11, 1952

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

MAMEDOV, T.A., dotsent; MAKHMUDOV, N., veterinarnyy fel'dshet

Vibrionic abortion in sheep in Azerbaijan. Veterinariia 41
no.1:54-56 Ja '64. (MIRA 17:3)

1. Azerbaydzhanskiy sel'skokhozyaystvennyy institut.

SOV/124-57-9-10699

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 9, p 124 (USSR)

AUTHORS: Akhundov, A. K., Agamirov, M. A., ~~Mamedov, T. A.~~

TITLE: On the Performance of a Single Horizontal Pipe Drain and on the Effectiveness of Various Methods of Flushing out Without Drainage in Western Shirvana, Azerbaydzhan SSR (O rabote odinochnoy gorizontal'noy dreny i ob effektivnosti razlichnykh sposobov promyvki bez drenazha v Zapadnoy Shirvani Azerbaydzhanskoy SSR)

PERIODICAL: Tr. 6-y sessii AN TurkmSSR, posvyashch. voprosam bor'by zasoleniyem pochv v tselyakh povysheniya urozhaynosti s. -kh. kul'tur, 1953, Ashkhabad Izd-vo AN TurkmSSR, 1954, pp 117-138

ABSTRACT: Bibliographic entry

Card 1/1

ABDULLAYEV, G.B.; IBRAGIMOV, N.I.; MAMEDOV, Sh.V.; DZHUVARLY, T.Ch.

State of an Mn impurity in Se. Dokl. AN Azerb. SSR 21 no.4:13-16
'65. (MIRA 18:7)

1. Institut fiziki AN AzerSSR.

ILLEGIBLE

ILLEGIBLE

ILLEGIBLE

ORG: Azerbaydzhan State University im. S. M. Kirov (Azerbaydzhanskiy gosudarstvennyy universitet); Mathematics Institute im. V. A. Steklov, AN SSSR (Matematicheskii institut AN SSSR)

TITLE: Certain relations between the best power approximation of analytic functions and their coefficients of expansion in series

SOURCE: AN SSSR. Doklady, v. 165, no. 4, 1965, 770-772

TOPIC TAGS: analytic function, polynomial, approximation

ABSTRACT: The article establishes limiting correlations between the best power approximation of analytic functions of several variables and the coefficients of their expansion in series. Some facts are presented relating to the best power approximation of the functions of several variables by means of generalized polynomials of several variables in a cube. The concepts of order and increase of a function are introduced for integral functions $f(z)$ of several complex variables, and relations are established between these quantities and the coefficients of expansion. This paper was presented by Academician S. N. Bernstein on 19 April 1965. Orig. art. has: 7 formulas. [JPRS]

SUB CODE: 12 / SUBM DATE: 13Apr65 / ORIG REF: 003

Card 1/1 CC

UDC: 517.5

MAN'KOV, Sh. N.

The relations between the best exponential approximation of
analytic functions and their coefficients of expansion in
series. Dokl. AN SSSR 165 no. 4: 770-772 D 1965.

(MIRE 18:12)

1. Azerbaydzhanliy gosudarstvennyy universitet im. S.M. Kirova
2. Matematicheskiy institut im. V.A. Steklova AN SSSR. Submitted
April 19, 1965.

S/044/62/000/005/013/072
C111/C333

On the best approximation of ...

shown that the examination of the best approximation in the mean $E_{n,m} [F(x,y)]_{L_S}$ in S_1 by polynomials $p_{n,m}$ of degree n in x and m in y can be reduced to the determination of the best approximation in the mean by the functions $\sum_{k=0}^n a_k(x) y^k$ or $\sum_{k=0}^n b_k(y) x^k$, where $a_k(x)$ and $b_k(y)$ are continuous functions. There are many misprints in the paper.

[Abstractor's note: Complete translation.]

16.3000

S/044/62/000/005/013/072
C111/C333

AUTHOR: Kamedov, Sh. R.

TITLE: On the best approximation of functions of several variables

PERIODICAL: Referativnyy zhurnal, Matematika, no. 5, 1962, 42,
abstract 5B190. ("Uch. zap. Azerb. un-t. Fiz.-matem. i khim.
ser.", 1960, no. 6, 3-10)TEXT: The S. N. Bernshteyn theorem on the error estimate of the
best approximation of a function by a polynomial of a given degree is
carried over to a function of two complex variables w, z which is analyti-
cal in the bicylinder $\{ | \operatorname{Im} z | < h, | \operatorname{Im} w | < \delta \}$, 2π periodical, real
for real values of the arguments and satisfies the inequality

$$| \operatorname{Re} F(x+iy, t+iu) | < k \quad \text{for} \quad |y| < h, |u| < \delta.$$

The theorem is proven:

$$\max | F(x,y) - S_{n,m}(F,x,t) | \leq e(k,p,q) [p^n + q^n]; \quad p=e^{-h}, q=e^{-\delta}.$$

Let $F(x,y)$ be measurable and bounded in the rectangle
 $S_1 \{ a \leq x \leq b, c \leq y \leq d \}$. According to the Bernshteyn method, it is

Card 1/2

MAMEDOV, Sh. R.

MAMEDOV, Sh. R.

Some problems of the very best exponential approximation. Uch. zap.
AGU no.3:3-14 '57. (MIRA 11:1)
(Functions, Analytic) (Approximate computation)

MAMEDOV, SH. R.

MAMEDOV, SH. R. "Some Problems of the Fast Degree of Approximation of Analytic Functions in terms of Polynomials." Published by the Azerbaydzhan U. Min Higher Education USSR. Azerbaydzhan State U imeni S.M. Kirov. Baku, 1956. (Dissertation for the Degree of Candidate in Physicomathematical Science)

So: Knizhnaya Letopis', No. 18, 1956

MAMEDOV, Sh.N.; NURULLAYEV, T.

Efficient parameters of blasting operations in breaking thin
and very thin dipping veins. Dokl. AN Azerb. SSR 21 no.5:
35-39 '65. (MIRA 18 9)

1. Institut geologii AN AzerSSR.

MAMEDOV, Sh.N.; OSIPOVA, B.A.

Results of measuring pressure in the development of the
Nakhichevan salt mines by the seismic pulse method. Izv.
AN Azerb. SSR. Ser. geol.-geog. nauk no.3:61-65 '65.
(MIRA 18:9)

MAMEDOV, Sh.N., doktor tekhn. nauk, prof.; MUKHTAROV, G.G., red.

[Principles of selecting systems of mining underground ore deposits] Osnovy vybora sistem podzemnoi razrabotki rudnykh mestorozhdenii. Baku, Izd-vo AN Azerb.SSR, 1964. 103 p.
(MIRA 18:6)

MAMEDOV, Sh.N.; OSIPOVA, B.A.

Use of the surveying method in studying rock pressure at the
Nakhichevan salt mine. Izv. AN Azerb.SSR.Ser.fiz.-tekhn. i mat.
nauk no.4:127-132 '64. (MIRA 18:3)

MAMEDOV, Sh.N.

Ore mining with one bench in the chamber system without
sublevel extraction. Izv.AN Azerb.SSR. Ser.geol.-geog.
nauk no.2:11-21 '64. (MIRA 18:11)

MAMEDOV, Shamkhal; BAGRAMOVA, A.I.; AVANESYAN, M.A.

Studies in the field of glycol ethers and their derivatives.
Azerb. khim. zhur. no.3:33-36 '65. (MIRA 19:1)

1. Institut neftekhimicheskikh protsessov AN AzerSSR.

MAMEDOV, Shamkhal; GADZHIYEV, F.R.; KHYDYROV, D.N.

Glycol ethers and their derivatives. Part 98: Synthesis of
the alkoxymethyl ethers of 1-alkoxy-3-(hexamethyleneimino)-2-
propanol. Zhur. org. khim. 1 no.4:653-658 Ap '65.
(MIRA 18:11)

1. Institut neftekhimicheskikh protsessov AN AzSSR.

MAMEDOV, Shamkhal; ALIYEVA, Kh.M.; AVANESYAN, M.A.

Glycol ethers and their derivatives. Part 85: Synthesis of
alkoxymethyl ethers of monohydric phenols. Zhur. ob. khim. 34
no.10:3222-3227 O '64. (MIRA 17:11)

1. Institut neftekhimicheskikh protsessov AN AzerSSR.

MAMEDOV, Shamkhal; ARABOV, A.K.; KHYDYROV, D.N.

Glycol ethers and their derivatives. Part 24: Synthesis of alkoxy-
methyl ethers of N-substituted ethanalamines. Zhur. ob. khim. 34
no.10:3217-3222 O '64. (MIRA 17:11)

1. Institut neftekhimicheskikh protsessov AN AzerSSR.

MAMEDOV, Shamkhal; LIKHOVTSEVA, S.M.; GADZHIZADE, F.S.

Glycol ethers and their derivatives. Part 83: Synthesis of alkoxy-methyl ethers of 1-chloro-3-methoxy-2-propanol. Zhur. ob. khim. 34 no.10:3212-3216 0 '64. (MIRA 17:11)

1. Institut neftekhimicheskikh protsessov AN AzerSSR.

MAMEDOV, Shamkhal; ALIYEVA, B.M.; AVANESYAN, M.A.

Glycol ethers and their derivatives. Part 82: Synthesis of
alkoxymethyl ethers of alkylphenylcarbinols. Zhur. ob. khim.
34 no.9:2877-2881 S '64. (MIRA 17:11)

1. Institut neftekhimicheskikh protsessov AN AzerSSR.

MAMEDOV, Shamkhal; MAMEDOVA, A.; AVANESYAN, A.M.

Glycol ethers and their derivatives. Part 81: Synthesis of alkoxy-
methyl ethers of 2,4,6-trichlorophenol. Zhur. ob. khim. 34 no.9:
2873-2877 S '64. (MIRA 17:11)

1. Institut neftekhimicheskikh protsessov AN AzerSSR.

MAMEDOV, Shamkhal; GADZHIZADE, F.; SHARIFOVA, F.; KOVAL'SKAYA, I.

Glycol ethers and their derivatives. Part 80: Synthesis of
alkoxymethyl ethers of 1,3-dichloro-2-propanol. Zhur. ob.
khim. 34 no.9:2868-2873 S '64. (MIRA 17:11)

1. Institut neftekhimicheskikh protsessov AN AzerSSR.

MAMEDOV, F.A.; ISMAILZADE, I.G.; MAMEDOV, Shamkhal; NIZKER, I.L.; MAMEDOV, I.M.

Spectroscopic examinations of the effect of the structure of
chloroethers of the naphthenic series on their insecticidal qualities.
Dokl.AN AzerbSSR 20 no.10:21-26 '64. (MIRA 18:2)

1. Institut neftekhimicheskikh protsessov AN AzerbSSR.

MAMEDOV, Shamkhal, POKONOVA, Yu.V.; AVANESYAN, M.A.

Glycol ethers and their derivatives. Part 79: Alkoxymethyl
ethers of allyl monoether of ethylene glycol. Zhur. ob. khim.
34 no.7:2182-2186 J1 '64 (MIRA 17:8)

1. Institut neftekhimicheskikh protsessov AN AzerbSSR.

MAMEDOV, Shakhmal; MAMEDOV, E. Sh.; GADZHIZADE, F.S.

Glycol ethers and their derivatives. Part 78: Synthesis of
alkoxymethyl ethers of 1-phenyl-2-alkoxy-1-ethanol. Zhur.
ob. khim. 34 no.7:2177-2181 J1 '64 (MIRA 17:8)

1. Institut neftekhimicheskikh protsessov AN AzerbSSR.

MAMEDOV, Shamkhal; NIZKER, I.

Glycol ethers and their derivatives. Part 77: Synthesis of alkoxy-
methyl ethers of alkyl cyclohexanols. Zhur. ob. Khim. 34 no.6:1824-
1830 Je '64. (MIRA 17:7)

1. Institut neftekhimicheskikh professov AN AzerbSSR.

MAMEDOV, Shamkhal; SHIKIMAMEDBEKOVA, A. Z.; KHYDYROV, E. N.

Glycol esters and their derivatives. Part 76: Synthesis of
alkoxymethyl ethers of p-iodobenzyi alcohol. Zhur. ob. Khim.
34 no.6:1818-1824 Je '64. (MIRA 17:7)

1. Institut neftekhimicheskikh protsessov AN Azerbaydzanskoy SSR.

MAMEDOV, Shamkhal; DZHALILOV, T.N.; AVANESYAN, M.A.

Glycol ethers and their derivatives. Part 1. Synthesis of
alkoxymethyl ethers of 1, 3-dimethyl-4,6-diisopropylbenzene.
Zhur. ob. khim. 34 no. 5:1434-1438 My '64. (MIRA 17:7)

1. Institut neftekhimicheskikh protsessov AN AzSSR.

MAMEDOV, Shamkhal; AMINIMUJAIID, R.A.; AGAYEV, A.S.

Glycol ethers and their derivatives. Part 74: Synthesis of
dialkoxydimethyl ethers of diethylene glycol. Zhur. ob.
khim. 34 no. 5:1431-1433 My '64. (MIRA 17:7)

1. Institut neftekhimicheskikh protsessov AN AzSSR.

MAMEDOV, Shamkhal; AGAYEV, A.S.; EMINOVA, Z.T.

Glycol ethers and their derivatives. Part 73: Synthesis of
 β,γ' -dihalo ethers. Zhur. ob. khim. 34 no. 5:1427-1430 May '64.
(MIRA 17:7)

1. Institut neftekhimicheskikh protsessov AN AZSSR.

MAMEDOV, Shamkhal; MAMEDOV, E.Sh.; KHYDYROV, D.N.

Glycol ethers and their derivatives. Part 70: Synthesis of
alkoxymethyl ethers of phenylethanol. Zhur. ob. khim. 34
no. 3:777-782 Mr '64. (MIRA 17:6)

1. Institut neftekhimicheskikh protsessov AN AzerSSR.

MAMEDOV, Shamkhal; ARABOV, A.K.

Glycol ethers and their derivatives. Part 69: Synthesis of
alkoxymethyl ethers of N-substituted ethanolamines. Zhur.
ob. khim. 34 no. 3:772-776 Mr '64. (MIRA 17:6)

1. Institut neftekhimicheskikh protsessov AN AzerSSR.

MAMEDOV, Shamkhal; SULTANOV, N.T.; SADYKHZADE, S.I.; KHODZHAYEVA, Sh.Ya.;
PISHNAMAZZADE, B.F.

Alkylation of α -chloromethylalkyl ethers with methallyl
chloride. Azerb. khim. zhur. no.1:81-87 '64.

(MIRA 17:5)

MAMEDOV, Shamkhal; RZAYEV, A.S.

Glycol ethers and their derivatives. Part 63: Synthesis of alkoxy-methyl ethers of glycerol α -monochlorohydrin. Zhur.ob.khim. 33 no. 12:3842-3846 D '63. (MIRA 17:3)

1. Institut neftekhimicheskikh protsessov AN Azerbaydzhanskoy SSR.